

## I1: Research

Final Summary of Grant Activity in Fiscal Year 2008				
COLLEGE	DEPT	PI	TITLE	SPONSOR
Business	Center for Innovation & Entrepreneurship	Peter Jamieson	High Technology Business Incubator Grant	NJCST
Education	Foundations of Education	Ron Butcher	New Jersey Consortium for Middle School Teacher Preparation	USDOE
Education	Health & Exercise Science	Francie Pagell	Rebel U mini grant	Lindsey Meyer Teen Institute
Education	Teacher Education	Jill Perry	Rowan Camden Math Partnership	NJDOE
Engineering	Chemical	Mariano Savelski	Waste Minimization Alternatives in the Celecoxib Process	Pfizer Inc.
Engineering	Chemical	Brian Lefebvre	Improved yeast catalysts for ethanol production from lignocellulosic biomass	Altra Biofuels
Engineering	Chemical	Stephanie Farrell	Applications of Asphaltene Absorbance Testing for FCC Catalyst and Feedstock Characterization	Sunoco
Engineering	Chemical	Robert Hesketh	Thermochromic Sensors	Omega Engineering
Engineering	Chemical	Mariano Savelski	Rutgers-Rowan-SOPS-Partnership	Rutgers
Engineering	Chemical	Robert Hesketh	Thermochromic Sensors	Omega Engineering
Engineering	Chemical	Brian Lefebvre	External Fixed-Bed Absorption System	Novartis
Engineering	Chemical	Kevin Dahm	Disseminating EIE Materials to In-Service Teachers in South Jersey	Stevens Institute of Technology
Engineering	Civil & Environmental	Beena Sukumaran	Investigation of the performance of flexible pavement systems under moving loads using finite element	FAA
Engineering	Civil & Environmental	Kauser Jahan	South Jersey GAMTTEP	USDOT
Engineering	Civil & Environmental	Kauser Jahan	Heavy Metal Contamination of Highway Marking Beads	NJDOT
Engineering	Civil & Environmental	Yusuf Mehta	New Jersey Motorcycle Fatality Rates	NJDOT
Engineering	Civil & Environmental	Kauser Jahan	Hands on an Aquarium	NSF
Engineering	Civil & Environmental	Jess Everett	Fort Dix Electrical Energy Analysis & Audit	NJDMAVA
Engineering	Civil & Environmental	Will Riddell	Analysis of Winds at a 30 meter height in Sea Girt, NJ	NJDMAVA
Engineering	Civil & Environmental	Jess Everett	Internship Program and Staff Workshop	NJDEP
Engineering	Civil & Environmental	Jess Everett	ACUA Energy Audit	Atlantic County Utilities Authority
Engineering	Civil & Environmental	Jess Everett	Scholarships to Enhance the High-Tech Workforce of Southern NJ	NSF
Engineering	Civil & Environmental	Will Riddell	Removing Barriers to Entry: NJCEP Wind & Energy Efficiency Outreach & Education	NJBPU
Engineering	Electrical & Computer	Robi Polikar	Time frequency analysis of ERPs for biomarkers of Late Life Dementia	PENN
Engineering	Electrical & Computer	Peter Jansson	NJ division of military & veterans affairs energy audit & report	NJDMAVA
Engineering	Electrical & Computer	Shreekanth Mandayam/George Lecakes	Virtual Reality for Integrated Systems Health Management E-3 Test Facility	NASA
Engineering	Electrical & Computer	Robert Krchnavek	Columbia Center for Electron transport in Molecular nanostructures	Columbia University

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Engineering	Electrical & Computer	Peter Jansson	Calorimetric Replication of BLP H-Ar-Sr- Plasma Experiments	Blacklight Power, Inc.
Engineering	Electrical & Computer	Shreekanth Mandayam/M. Russell	An Evolutionary Integrated Awareness Platform for Integrated Systems Health Management (ISHM) at NASA-SSC A-1 Test Facility	NASA
Engineering	Electrical & Computer	Shreekanth Mandayam/George Lecakes	Virtual Reality for Integrated Systems Health Management E-3 Test Facility	NASA
Engineering	Electrical & Computer	Shreekanth Mandayam	MRI/Acquisition of an Immersive Virtual Reality System for the South Jersey Tech Park at Rowan University	NSF
Engineering	Mechanical	John Chen	Thermomechanical Fatigue Testing	NAVY
Engineering	Mechanical	John Chen	MRI: Development of a Sonic Research Instrument for Nondestructive Inspection	NSF
Engineering	Mechanical	Jennifer Kadlowec	Passive Range of Motion of Adult & Child Cervical Spines	Children's Hospital of Philadelphia
Engineering	Mechanical	Anthony Marchese	MRI: Acquisition of a Rapid Compression Machine for Chemical Kinetic Studies on Biofuels	NSF
Engineering	Mechanical	Krishan Bhatia	Biodiesel Home Heating Oil Blends Emissions Characterization	NJDEP
Engineering	Mechanical	Paris von Lockette	Microwave Plasma Treatment of Aramid Fiber to Enhance the Strength of Fiber Reinforced Composite Laminates	Absecon Mills
Engineering	Mechanical	Eric Constans	Occupants & Restraint Systems during Frontal Impacts: A novel approach to measure head & spinal	Children's Hospital of Philadelphia
Engineering	Mechanical	Eric Constans	Development of a Cryogenic Actuator	NAVY
Engineering	Mechanical	Krishan Bhatia	Wind Powering America State Outreach	NJBPU
Liberal Arts & Science	Ctr for Addiction Studies	Pam Negro	New Jersey Consortium Alcohol Social Norms and Party Drug Resource Centers	NJDHS
Liberal Arts & Science	Ctr for Addiction Studies	Pam Negro	NJ DOE Social Norms Project	NJDOE
Liberal Arts & Science	Ctr for Addiction Studies	Pam Negro	College Summit on Underage Drinking	NJDLPs
Liberal Arts & Science	Chemistry & Biochemistry	Catherine Yang	Design of Dyrindine-Containing Drug Analogs	Combi-Blocks Inc.
Liberal Arts & Science	Chemistry & Biochemistry	Darius Kuciauskas	Porphyrin Nanostructures as Light Harvesting Antennas for Dye-Sensitized Solar Cells	American Chemical Society
Liberal Arts & Science	Computer Science	Adrian Rusu	FAA GUI Development Project	FAA
Liberal Arts & Science	Computer Science	Andrea Lobo	Optimization of a Multithreaded SAT Solver	Virginia Tech
Liberal Arts & Science	Law & Justice	Christine Saum	eCourt Project	George Mason University
Liberal Arts & Science	Mathematics	Janet Caldwell	New Jersey SSI Regional Center	Rutgers
Liberal Arts & Science	Physics & Astronomy	Jeffrey Hettinger	Thin-Film Coatings on Polymers	Wheaton Industries
Liberal Arts & Science	Psychology	Janet Cahill	Child & Family Assessment Clinic	NJDHS
Liberal Arts & Science	Psychology	Mary Louise Kerwin	Behavior Therapy Development Group CM in Methadone Tx	Treatment Research Institute/NIDA
Liberal Arts & Science	Sociology	Demond Miller/Roberta Dihoff	Early Intervention Program	NJDHSS

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Prof & Continuing Education	Continuing Education	Harold Sahm	Memorandum of Understanding: Professional Development in Sheltered English Instrucion	NJDOE
Office of the Provost	Camden Campus	Eric Clark	New Jersey College Bound Grant Program	NJCHE
Office of the Provost	Camden Campus	Eric Clark	New Jersey Gear-Up Grant Program	NJCHE
Office of the Provost	Camden Campus	Eric Clark	Upward Bound	USDOE
Office of the Provost	Camden Campus	Eric Clark	2008 College Bound Professional Development Retreat	NJCHE
Office of the Provost	Camden Campus	Jacqueline McCafferty	Mobile Language Lab for Technology Enhanced ESL Instruction	NJCHE
Source: Office of Sponsored Programs, FY08 Grant Report (Awarded & Addtl. Funding) (06/30/08)				

## I.2 Community Service in Fiscal Year 2009

### **Education**

J. Harvey Rodgers School Tutoring Program  
Glassboro - Unity Day  
Junior Achievement Teaching Program @ Kindle Elementary  
Big Brother/Big Sister First Mentors Program -  
at the Thomas E. Bowe Elementary School

### **Economic**

Abilities Center of Southern NJ - Holiday Gift Drive  
Can drive for Aids Coalition of South Jersey  
"Packed with Love" - collection for the Troops in Iraq  
Prom Gown Collection

### **Environmental**

Campus Clean & Green and Tree Planting project - October & April

### **Health**

March for Babies Walk  
Red Cross Blood Drive (6)  
South Jersey AIDS Coalition "Adopt a Family" - Thanksgiving  
Relay for Life - American Cancer Society  
Cell phone drive - March of Dimes  
Can Tab Donations for Ronald McDonald House  
Bancroft Day

### **Recreational**

Haunted Student Center  
Thanksgiving Greeting Card Project- Aids Families  
Post House Christmas Tree Decorating

Source: Andrew Perrone, Office of Service-Learning, Volunteerism & Community Engagement

## R&D Expenditures: Year 2008

	Amount (\$)
Federally Financed Academic R&D Expenditures	\$ 2,709,000
Institutionally financed Academic R&D Expenditures	\$ 37,000
Total Academic R&D Expenditures	\$ 4,658,000

Source: Maria McCall, August 2009

Note: Dollar amount as reported to the National Science Foundation (NSF) on Form #411. (Survey of Research & Development Expenditures at Colleges and Universities).